

China Digital Map

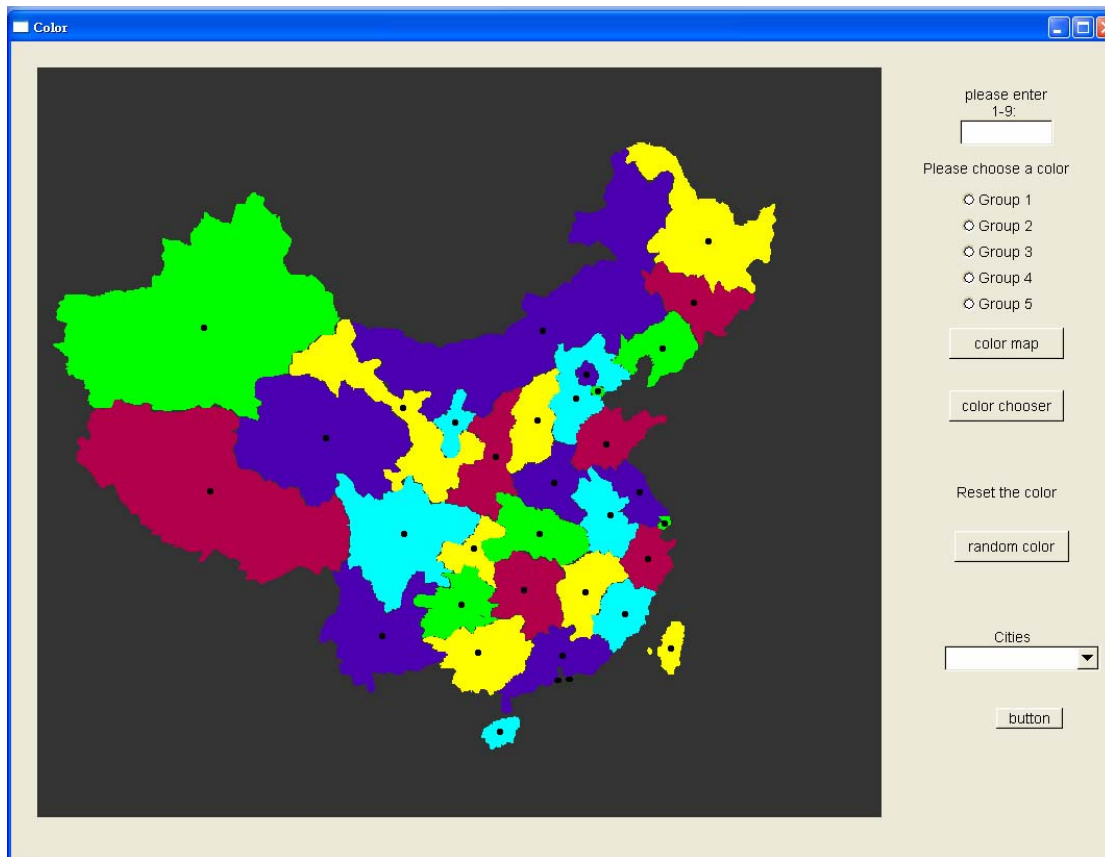









Figure 1 interface that shows the China Digital Map

Components:

-  **Display screen:** Displaying the China Map with 5 colors for different provinces.
-  **Input Text Box (“please enter 1-9:”):** Just for testing the program, not use in the display map.
-  **Group 1-5:** Choosing the group number which want to change that color.
(Different provinces are divided into different color groups in order to avoid displaying the neighbor provinces with the same color.)
-  **Color Map:** A palette to choose the color.
-  **Color Chooser:** A color mixer to choose the color.
-  **Random Color:** Choosing 5 colors randomly to reset the color of the map.
-  **Cities and button:** not yet implemented.

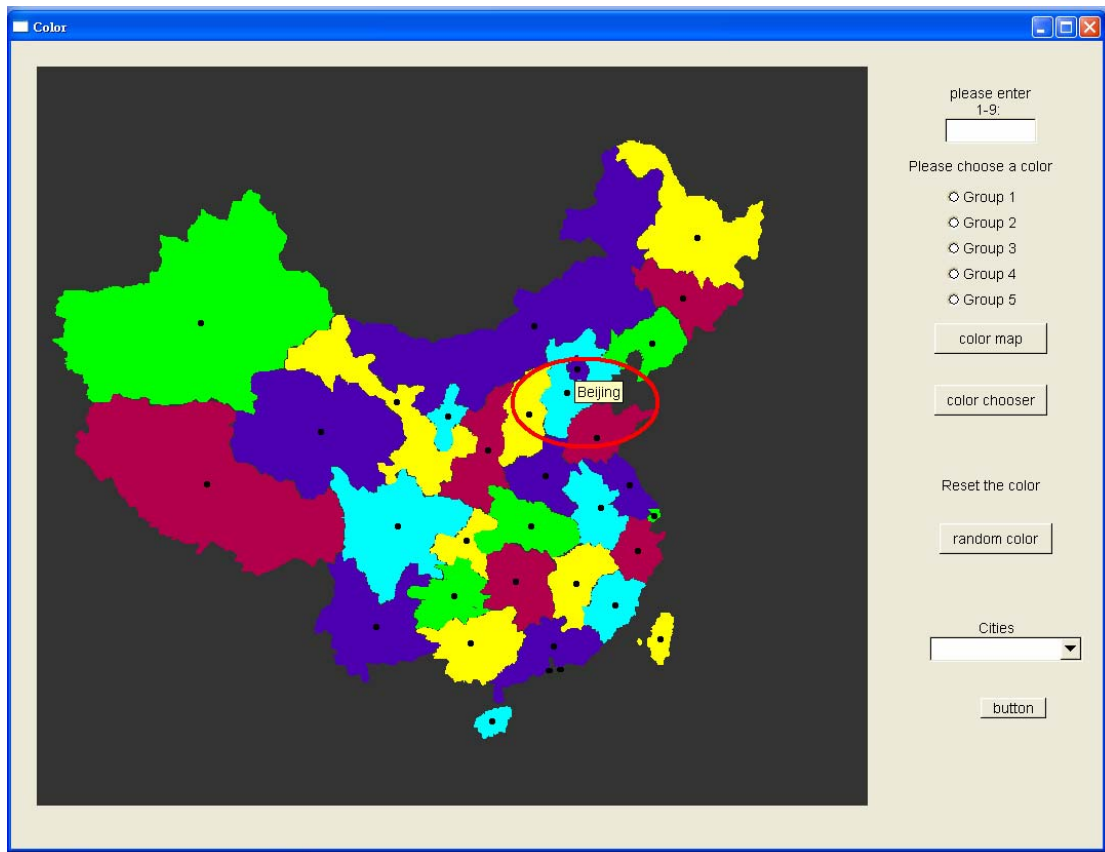


Figure 2 Beijing

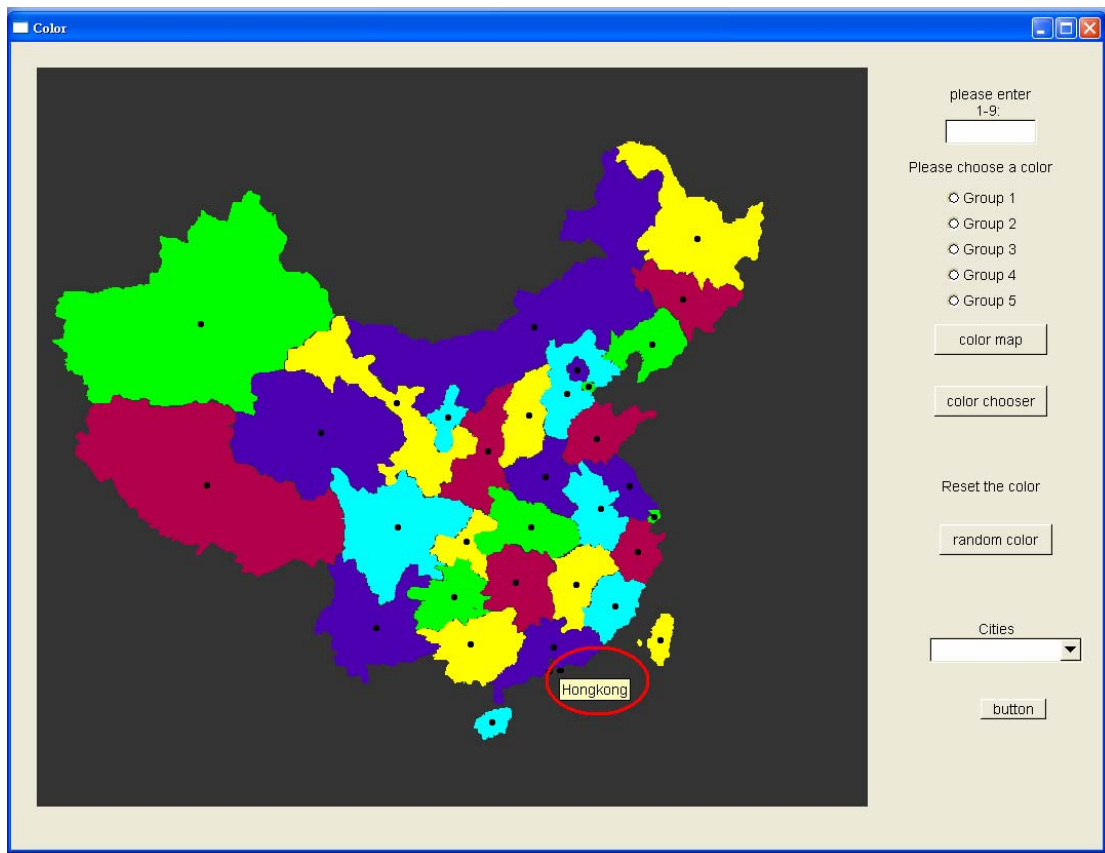


Figure 3 Hong Kong

✚ Figure 2 and Figure 3 show the province's name when the cursor is moved to the point of that province (the black point). (The cursor is not shown in the figures)

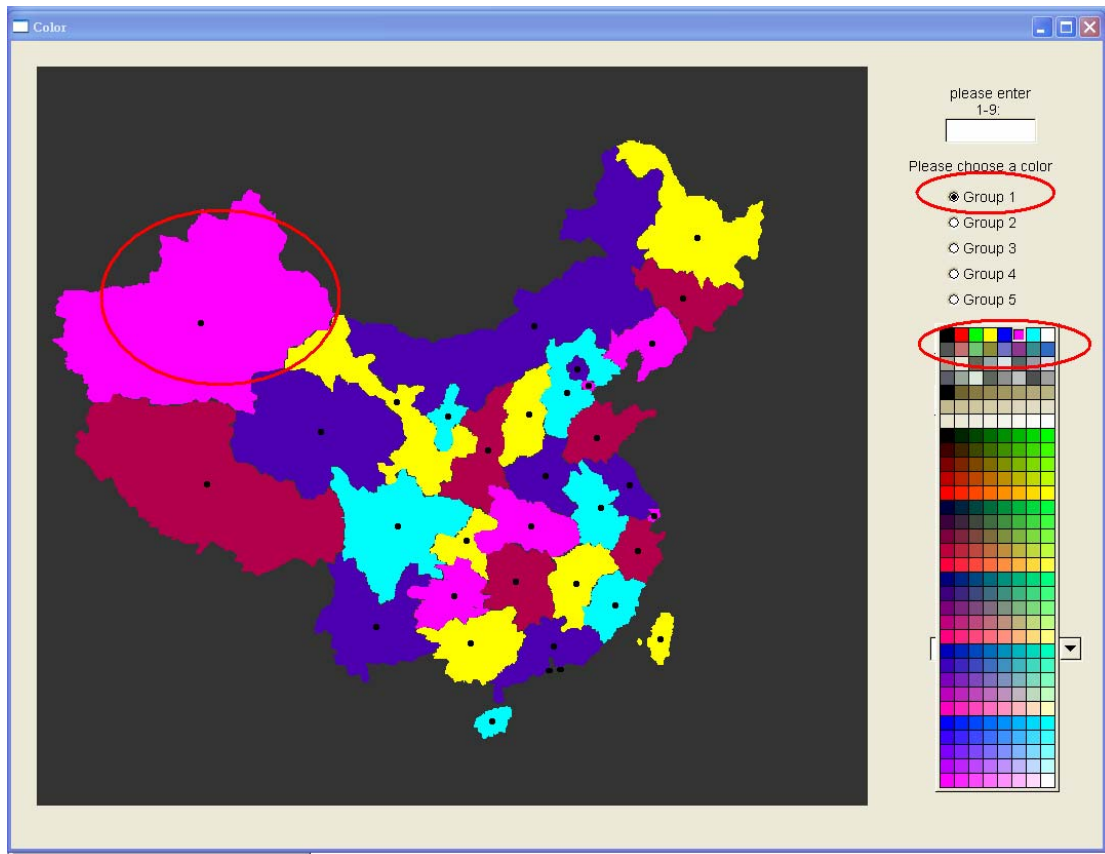


Figure 4 Color Palette

- ✚ After choosing the color group (Group 1 in this example), press the “color map” button to open the palette and choose a color. Then the color of the provinces in that group will be changed.

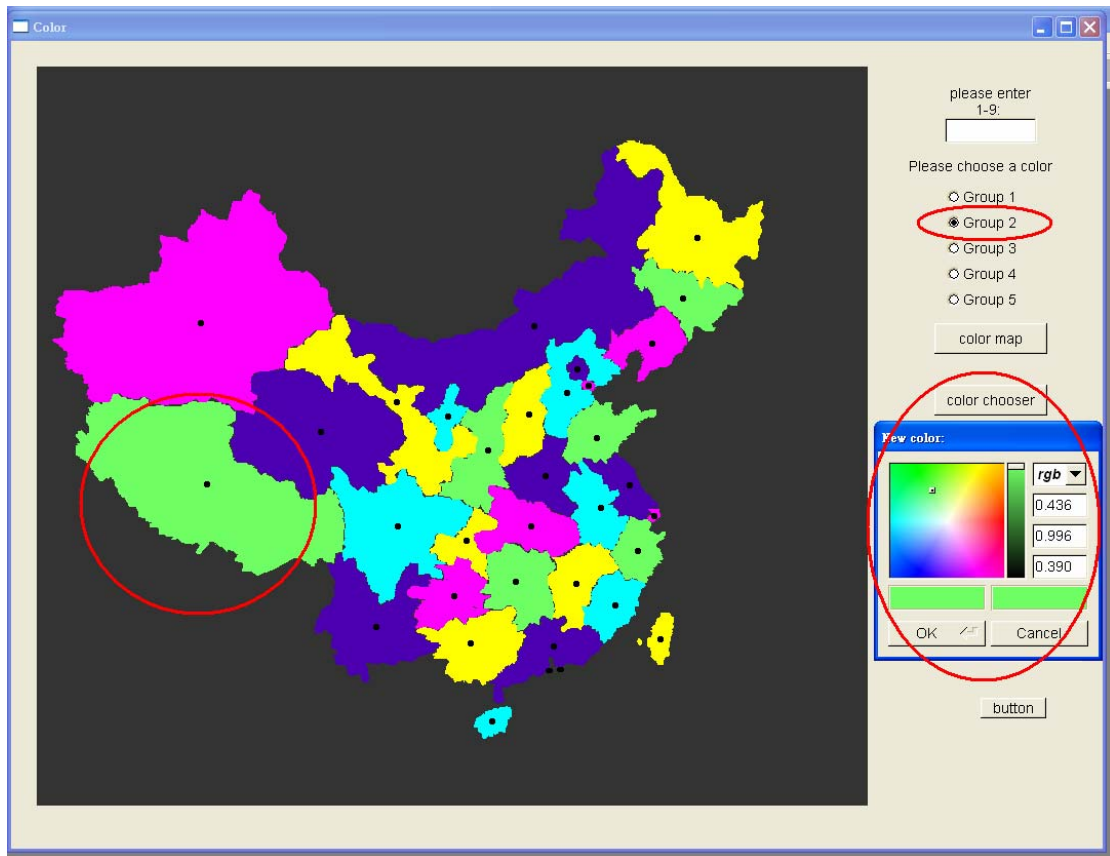


Figure 5 Color Chooser

- ✚ After choosing the color group (Group 2 in this example), press the “color chooser” button to open the color mixer and choose a color. Then the color of the provinces in that group will be changed.

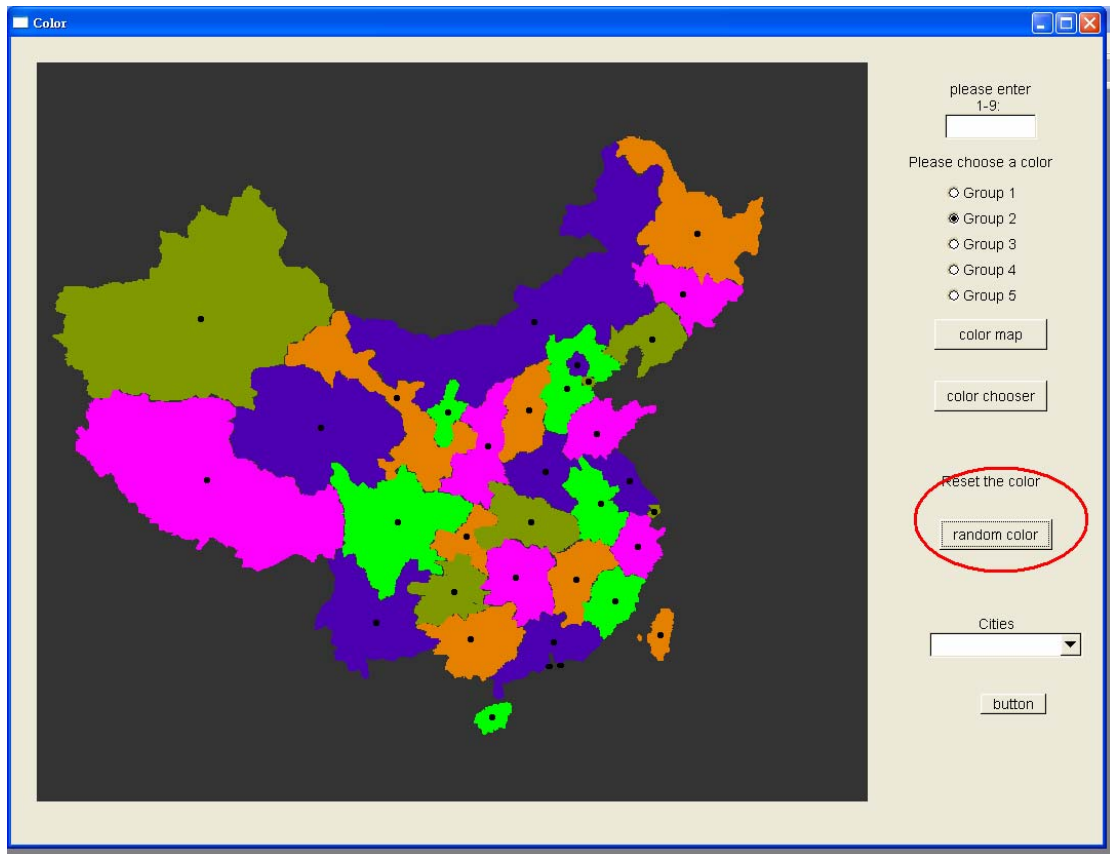


Figure 6 Reset the color

- ✚ After pressing the button “random color”, the color of the map will be reset with a new color randomly.

Further Working:

The interface is just a brief map. We will implement more functions and improve the interface later.